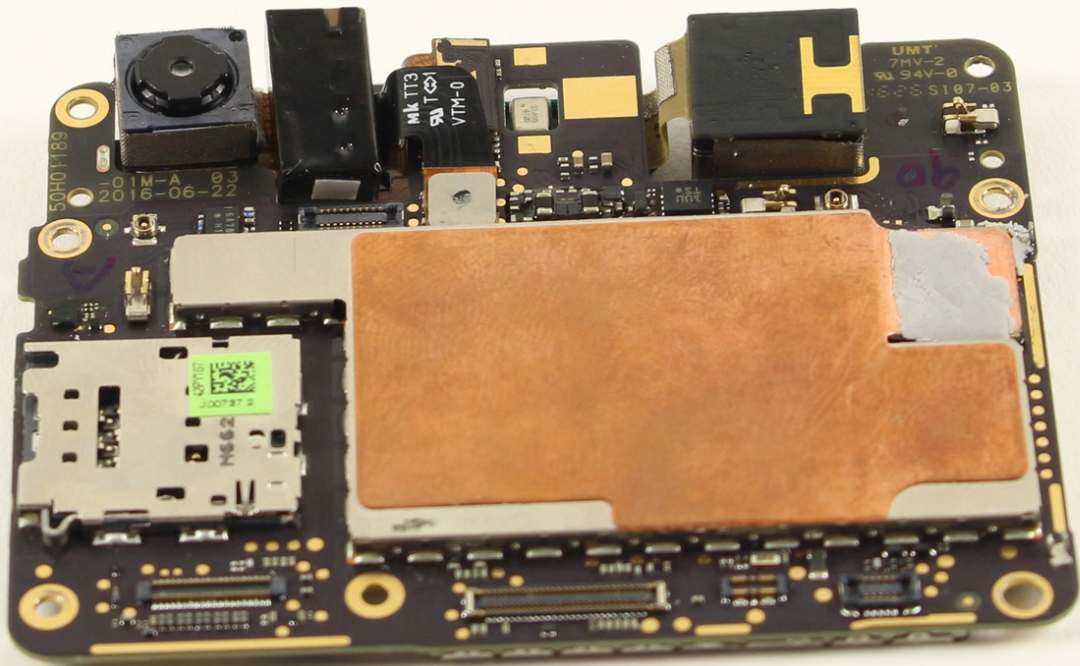




# Google Pixel Motherboard Replacement

Replace the motherboard on the Google Pixel.

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## INTRODUCTION

This guide shows how to replace the motherboard, which is necessary to replace other components.



### TOOLS:

- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)
- [T5 Torx Screwdriver](#) (1)
- [Tweezers](#) (1)
- [iOpener](#) (1)



### PARTS:

- [Google Pixel G-2PW4100 Motherboard](#) (1)
- [Google Pixel SIM Card Tray](#) (1)
- [Google Pixel Rear Camera](#) (1)

## Step 1 — Screen



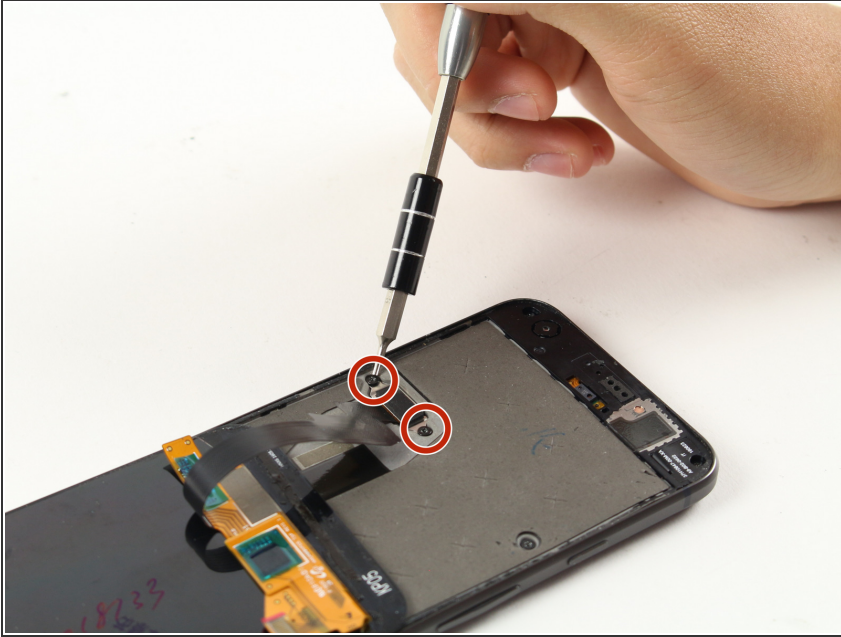
- Turn off the device.
- Heat and use an iOpener to soften the screen adhesive.
- Wedge an opening tool around the seam of the device to remove the screen.

## Step 2



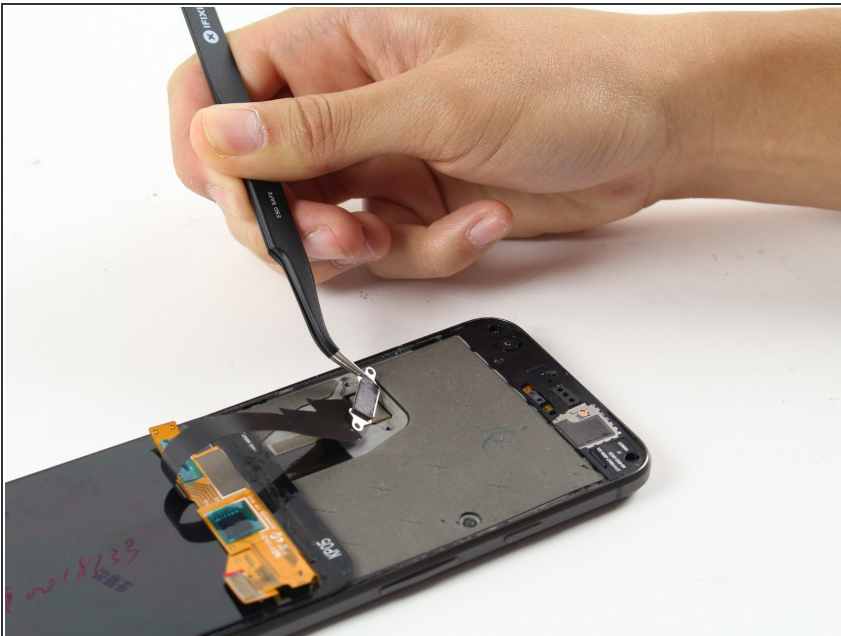
- Slowly pull the screen off the device with your hands.
- ⚠ Be careful to not pull too hard on the ribbon cable behind the display when lifting the screen off of the device.

## Step 3



- Using a screwdriver, remove the two black 3.5 mm T5 screws holding the bracket in place.

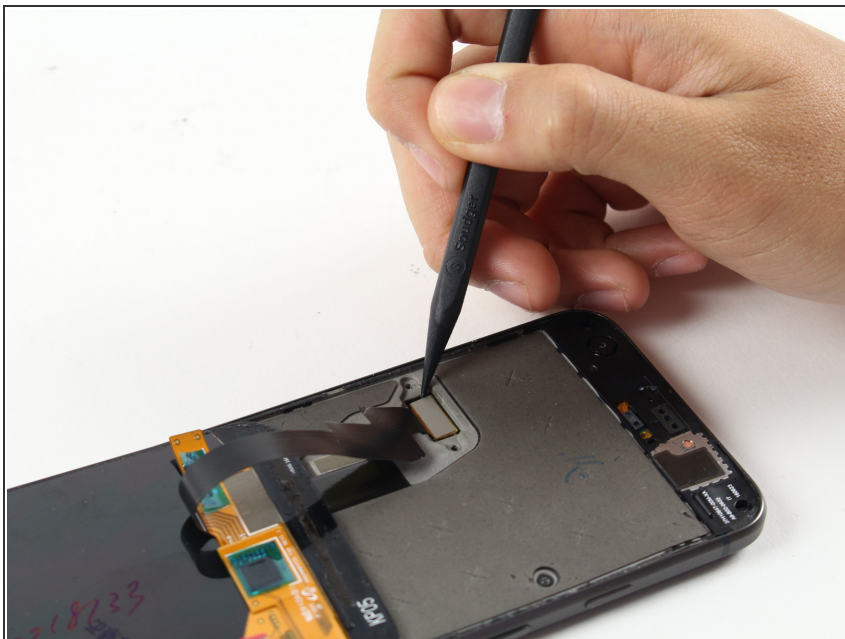
## Step 4



- Use tweezers to remove the bracket that holds the display connector in place.

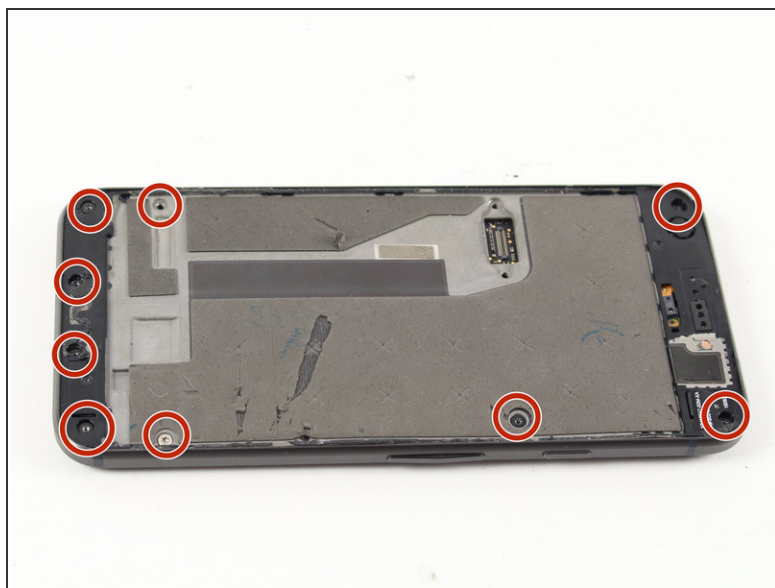


## Step 5



- Use a spudger to remove the connector from the device, and remove the screen completely.

## Step 6 — Midframe



- Using a screwdriver, remove the nine 3.5 mm T5 screws holding the mid-frame in place.

**i** The device's mid-frame has 9 screws total, but in the device shown, there are only 8.

## Step 7



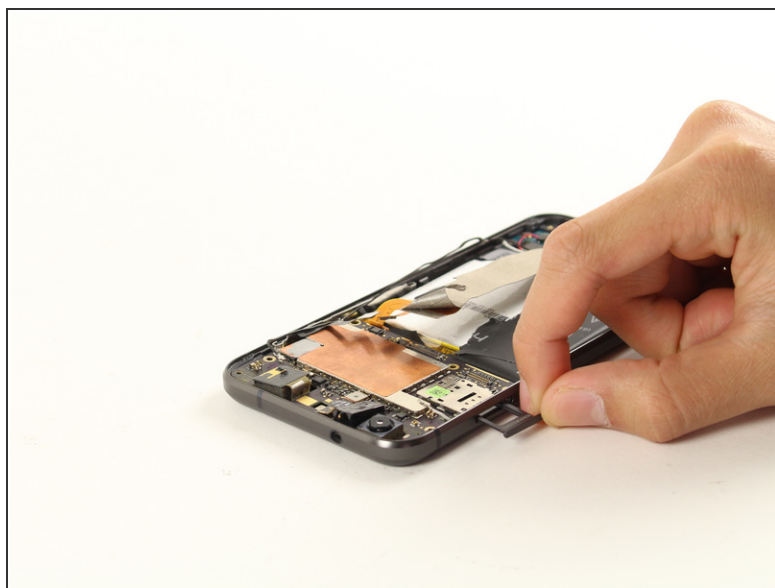
- Wedge an opening tool into the notch that is located at the top left part of the phone.
- Slide the opening tool across the seam of the device and lift the mid-frame.
- ⓘ Hearing clicks as you lift the mid-frame off is normal because of the clasps holding it down.
- ⚠ When lifting the mid-frame, be careful not to damage the ribbon cable connecting the earpiece speaker to the motherboard.

## Step 8



- Use a spudger to disconnect the earpiece speaker cable from the motherboard.
- Remove the mid-frame completely by lifting it off the device.

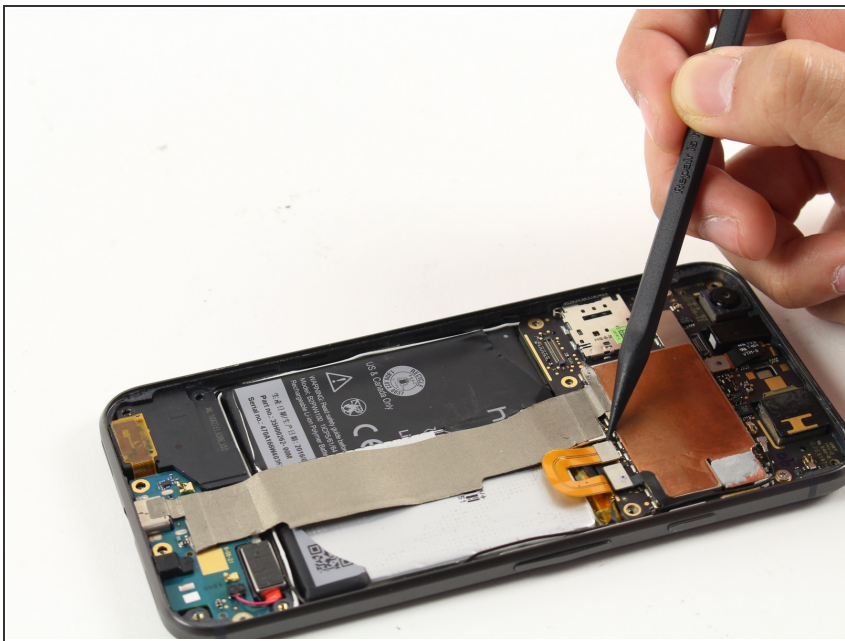
## Step 9 — Motherboard



- Use a SIM ejection tool to remove the SIM card tray located at the top left of the device.

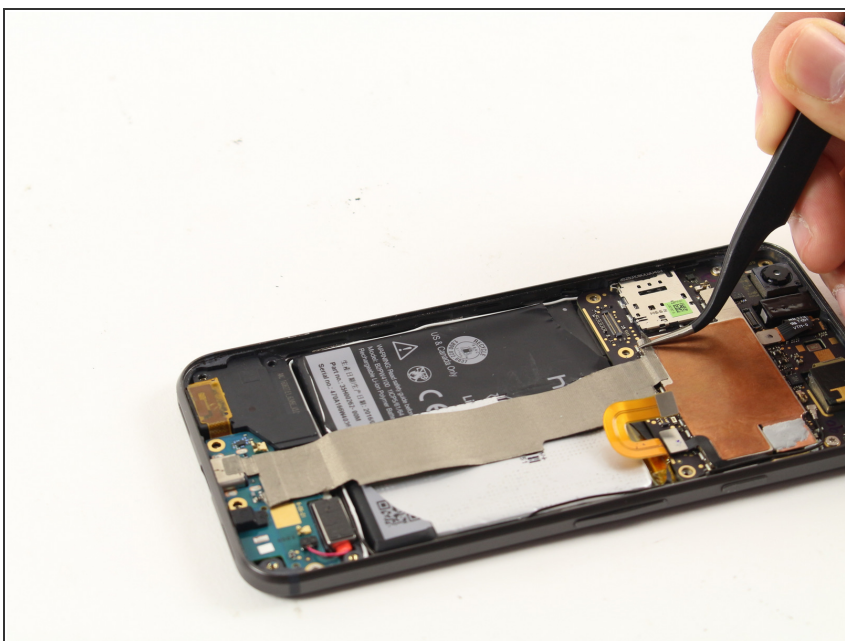


## Step 10



- Using a spudger, disconnect the battery ribbon cable from the motherboard.

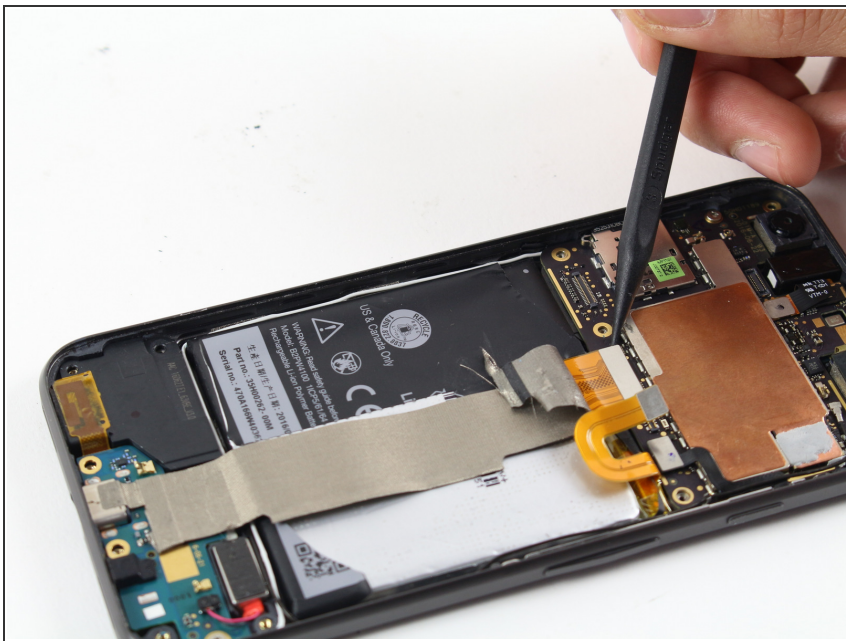
## Step 11



- Use tweezers to lift up the adhesive strip at the top of the battery, and peel it back to expose the connector underneath.



## Step 12



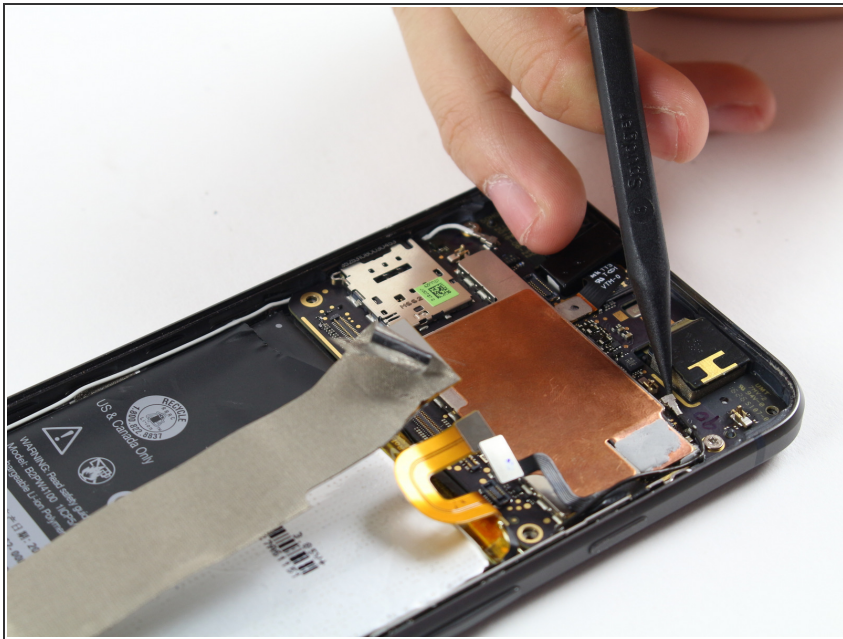
- Use a spudger to disconnect the charging port ribbon cable from the motherboard.

## Step 13



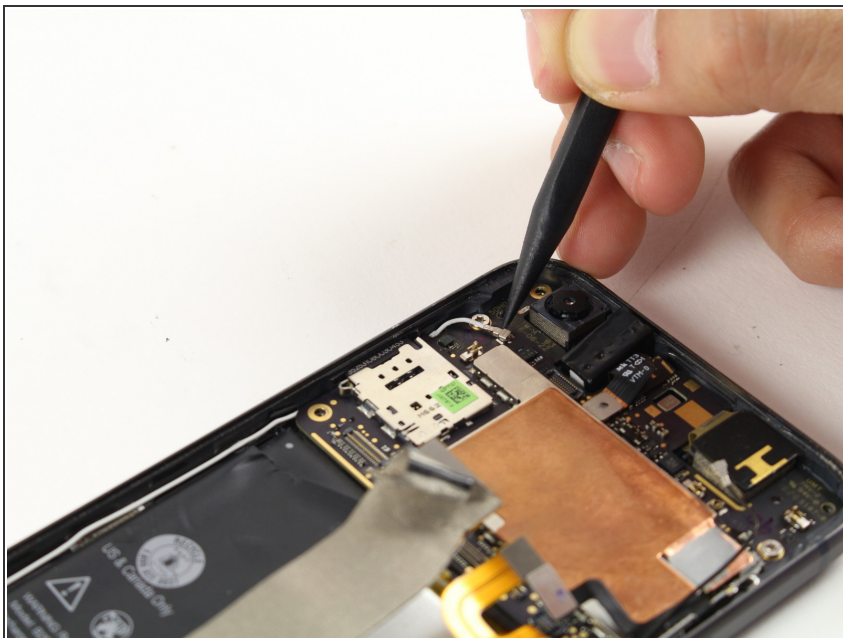
- Use a spudger to disconnect the thin, black ribbon cable connecting the power and volume buttons to the motherboard.

## Step 14



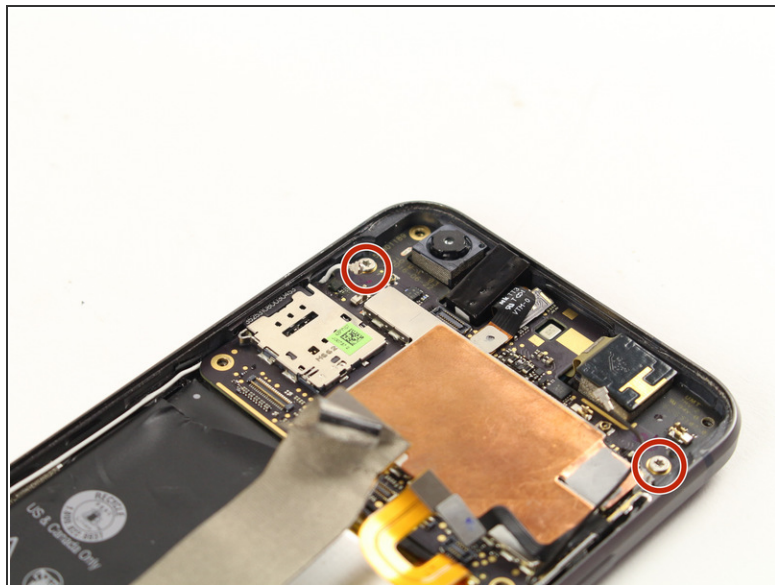
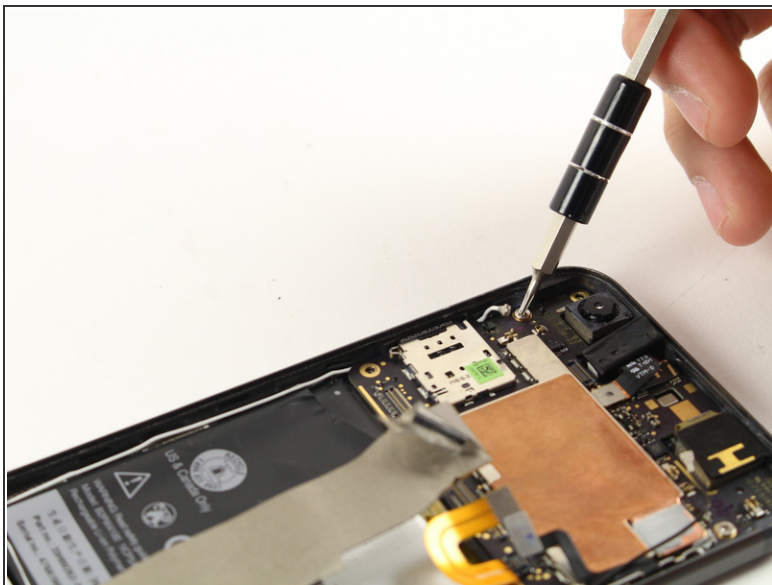
- Use a spudger to disconnect the black signal wire attached to the motherboard.

## Step 15



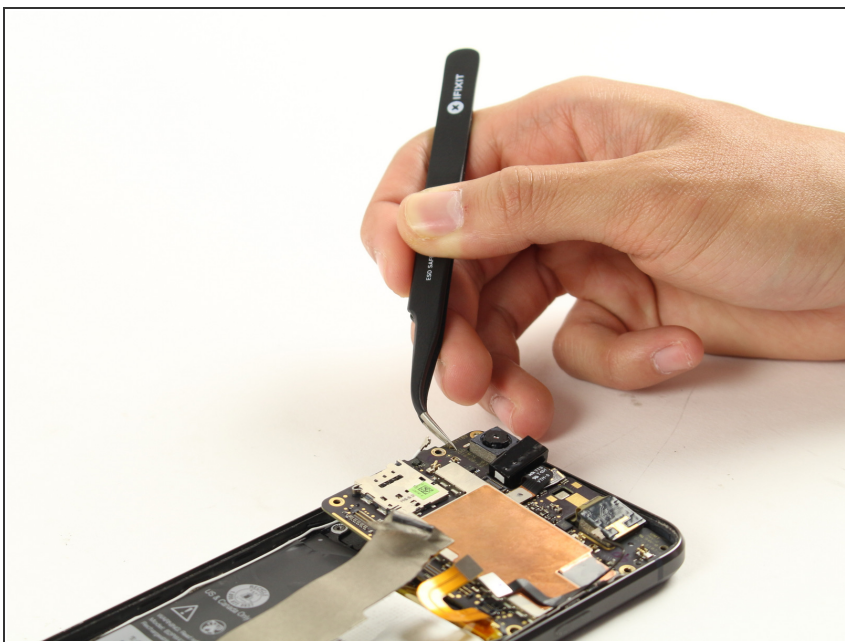
- Use a spudger to disconnect the white signal wire attached to the motherboard.

## Step 16




- Remove the two silver 2.5 mm T5 screws holding the motherboard in place.

## Step 17

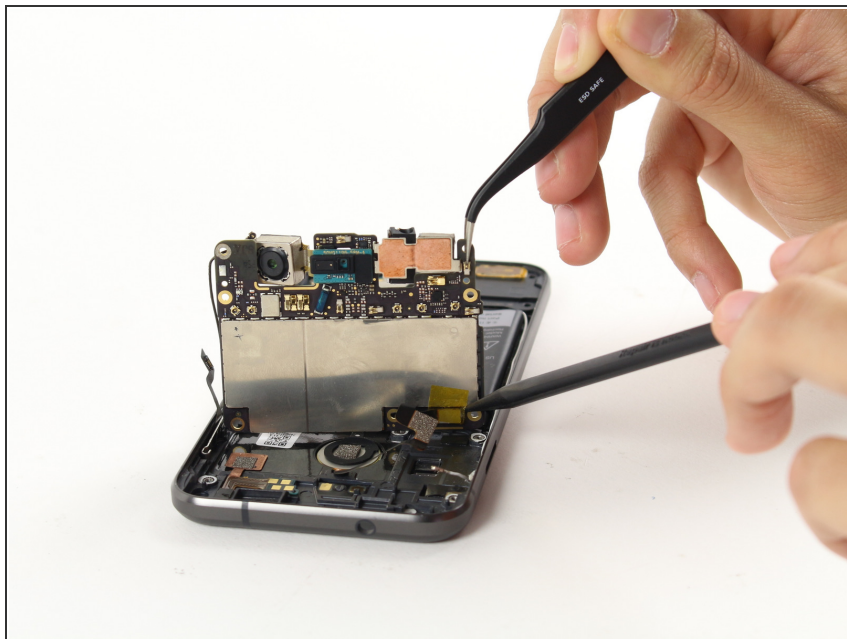


- Use tweezers to lift the motherboard from the device.

 When lifting the motherboard, be careful not to damage the ribbon cable connecting the fingerprint sensor to the motherboard.



## Step 18



- While holding the motherboard up with tweezers, use a spudger to disconnect the fingerprint sensor cable from the motherboard.
- Remove the motherboard completely from the device.

To reassemble your device, follow these instructions in reverse order.

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